CIVIL TECH LABS
Accredited by NABL as per ISO/IEC 17025 : 2005
5, 1st Cross, Srinivasa Colony, Tirupati Road, Bangalore - 560023
Ph: 080 - 4114 2867 / Mob: 90362 51601, Email: civiltechlabs@...

T-2659

To,

Assistant Executive Engineer,
Yelahanka Satalite Town Sub Division,
BBMP

13th December 2014

Dear Sir,

Sub: Construction of RCC Drain 21st cross near Ganapathi temple and Asphalting to roads in 6th main in 3rd phase in ward no 04. Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlab@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BUWP
Name of Work	Construction of RCC Drain 21st cross to Composite Single and Splitting Towers in all Terrain in 3rd phase in Ward no 01
Name of Agency	M/s. Techfield Manager (West)
Grade of Concrete	M20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample-1	15/11/2014	13/12/2014	28	8.23	505	22.44	22.00
2					8.19	485	21.56	
3					8.20	495	22.00	

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any corrections invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS

#5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2857, Email: civiltechlab@gmx.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	ACE, Yelahanka Satellite Town, Bangalore - 560097
Name of Work	Construction of RCC Room, Toilet, cement concrete, Compound wall, septic tank, overhead tank and sump in 2nd phase in ward no-4
Name of Agency	M/s. Technical Manager (Ware)
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mm X 150mm X 150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS 516-1959 [Reaffirmed 2013]

Sl. No.	Identification	Date of Casting	Date of Testing	Age of test (Days)	Weight (Kg)	Failure Load (kN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	Sample2	15/11/2014	13/12/2014	28	8.20	500	22.22	21.85
2					8.10	490	21.78	
3					8.15	485	21.56	

Note:

1. The results made only to the items tested.
2. This report shall not be reproduced except in full, without the written approval of the Lab.
3. Any corrections or additions shall void this report.
4. The results mentioned on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

1-2654

To,

Assistant Executive Engineer,
Yelahanka Satalite Town Sub Division,
BBMP.

29th November 2014

Dear Sir,

Sub: Testing of Semi Dense Bituminous Concrete.

As requested, tests on physical properties were carried out for the Semi Dense Bituminous Concrete supplied by you, for the work of **'Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON AGGREGATES ('AIV' & Combined Flakiness & Elongation Index)

Semi Dense Bitumenous Concrete

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP.
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04.
Name of Agency	M/s. Technical Manager (West)
Date of Testing	28/11/2014
Reference	MORTH Table 500-1d

Sl. No	Aggregate Impact Value 'AIV' in %	Average AIV in %	Remarks
1	21.5	21.9	Satisfactory (As per MORTH for SDBC, Maximum allowed AIV is 27 %)
2	22.3		

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Remarks
Flakiness Index	11.6	23.7	Satisfactory (As per MORTH for SDBC, Maximum allowed 'C-F&E' is 30 %)
Elongation Index	12.1		

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

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Lab Incharge
Civil Tech Labs

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CIVIL TECH LABS
P.S, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 7867, Email: civiltechlabs@gmail.com

TEST REPORT

TESTS ON BITUMEN SAMPLE

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP.
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	28/11/2014

Paving Grade of Bitumen - 80/100 Grade

Sl.No.	Name of the Test	Test As Per IS Code	Result	Specification As Per IS 73 : 2006	Remarks
1	Specific Gravity @ 27° C	IS : 1202-1978	0.99	0.97 - 1.02	PASS
2	Flash Point °C	IS : 1209-1978	245	Minimum 220°C	PASS
3	Fire Point °C	IS : 1209-1978	250	Not Specified	PASS
4	Softening Point (R&B) °C	IS : 1205-1978	57	Minimum 45°C	PASS
5	Penetration @ 25° C 100g & 5 S, 0.1 mm	IS : 1203-1978	86	80-100	PASS
6	Ductility @ 25°C in Cm	IS : 1208-1978	68	Minimum 50 cm	PASS

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report
4. The results are based on the test conducted on samples supplied by the client.

AE LI-A

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
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Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

WATER ABSORPTION TEST OF ROAD AGGREGATES

Semi Dense Bitumenous Concrete (SDBC)

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP.
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 4th main in 3rd phase in ward no 04.
Name of Agency	M/s. Technical Manager (West)
Date of Testing	28/11/2014

Method of Test	Sample No.	Water Absorption in %	Average Water Absorption in %	As per MORTH Table 500-1[4]	Remarks
IS: 2386 (Part 3)	1	0.79	0.80	2 % Maximum	Satisfactory
	2	0.82			
	3	0.78			

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE W-4

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

STRIPPING TEST OF ROAD AGGREGATES

Seml Dense Bitumenous Concrete (SDBC)

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to road in 6th main in 3rd phase in ward no 24.
Name of Agency	M/s. Technical Manager (West)
Date of Testing	28/11/2014

Method of Test	Observation No.	Uncovered Area/Stripping in %	Average Stripping Value in %	As Per Morth Table 500-14	Remarks
IS:6241-1971 (Reaffirmed 2003)	1	3.52	3.50	5 % Maximum	Satisfactory
	2	3.49			
	3	3.48			

Note:
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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE U-4

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
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Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON THE DETERMINATION OF BITUMEN CONTENT ON SEMI DENSE BITUMINOUS CONCRETE MIX-GRADE 2

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	29/11/2014

A)

Sl. No.	Test	Test Method	Technical Reference
1	Extraction of mineral aggregate	Test Method A (Centrifuge Method)	ASTM D2172/ D2172M-11
2	Determination of amount of mineral matter/fines in the extract	Ashing Method	

B)

Specification: As Per MORTH (4th Revision) Table 500-15, Bitumen Content for SDBC Grade-2 is MIN 5%

Sl. No.	Description	Values
1	Weight of bituminous mixture before extraction test, W_1 g	2000
2	Weight of mineral aggregate obtained from centrifuge extractor, W_2 g	1884.2
3	Weight of mineral matter in the total volume of extract (by ashing), W_3 g	11.9
4	Total weight of aggregate in the bituminous mixture, W_4 g = (W_2 + W_3) g	1896.1
5	Total weight of Bitumen extracted from the mixture, W_5 g = (W_1-W_4) g	103.9
6	Bitumen content in %, (W_5/W_1) %	5.19

Remarks	**Satisfies the requirements.**

Note:

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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE Ltr 4

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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TEST REPORT

GRADATION TEST ON SEMI DENSE BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP.
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	29/11/2015
Technical Reference	IS - 2386(Part I)-1963 (Reaffirmed 2011)

	Sample-1		
IS Sieve Designation (mm)	% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-15 for SDBC Grade-2	Actual % By Weight Passing IS Sieve	Remarks
13.2	100	100	Satisfies the requirements
9.5	90-100	99.2	
4.75	35-51	44.2	
2.36	24-39	28.6	
1.18	15-30	24.5	
0.3	9-19	15.8	
0.075	3-8	6.9	

Note:
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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE, Y.S.T.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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TEST REPORT

GRADATION TEST ON SEMI DENSE BITUMINOUS CONCRETE MIX GRADE - 2

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP.
Name of Work	Construction of RCC Drain 21st cross near Gangapathi temple and asphalting to roads in Co... main in 3rd phase in ward no 07
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	29/11/2014
Technical Reference	IS : 3386(Part I)-1963 (Reaffirmed 2011)

	Sample-2		
IS Sieve Designation (mm)	% By Weight Passing IS Sieve as per MORTH (4th Revision) Table 500-15 for SDBC Grade-2	Actual % By Weight Passing IS Sieve	Remarks
13.2	100	100	Satisfies the requirements
9.5	90-100	98.6	
4.75	33-53	43.5	
2.36	24-39	29.3	
1.18	15-30	20.5	
0.3	9-19	16.3	
0.075	3-8	6.5	

Note:
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4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob : 96862 31801, Email: civiltechlabs@gmail.com

T-2634

To,

Assistant Executive Engineer,
Yelahanka Satalite Town Sub Division,
BBMP,

04th September 2014

Dear Sir,

Sub: Testing of Materials.

As requested, tests on physical properties were carried out for the Materials supplied by you, for the work of '**Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04.**'

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE W-4

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEL, Yelahanka Satellite Town Rich Orchard, BBMP
Name of Work	Construction of RCC Drain 21st cross near Gurappan temple and asphalting of roads in Orchard layout in ward no 04
Name of the Agency	M/s Technical Manager (West)
Date of Testing	04/09/2024

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	49	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	489	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	3	mm	Not More Than 10 mm	Satisfies Requirement

Note:
1. Test results relate only to the items tested.
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3. Any correction invalidates this report.
4. The results are based on the test conducted on Samples Supplied by the Customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON FINE AGGREGATES As per IS 383 (1970)

Name & Address of the Customer	AEE, Yelahanka Sarakke Town Sub Division, BBMP
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting in roads in 6th main in 3rd phase in ward no 04.
Name of the Agency	M/s. Technical Manager (Work)
Date of Testing	04/07/2024
Specific Gravity	2.58

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	100	100	100	100	100	II
	4.75	98.6	90-100	90-100	90-100	95-100	
	2.36	87.2	60-95	75-100	85-100	95-100	
	1.18	75.1	30-70	55-90	75-100	90-100	
	0.6	48.3	15-34	35-59	60-79	80-100	
	0.3	22.9	5-20	8-30	12-40	15-50	
	0.15	8.2	0-10	0-10	0-10	0-15	

Note:
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2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

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Lab Incharge
Civil Tech labs

CIVIL TECH LABS BANGALORE

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref IS:383:2450

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, UBSIP
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and extending to roads of 6th main at 2nd phase in ward no 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	04/09/2014
Specific Gravity	2.66
Water Absorption in %	0.25

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	98.9	95-100	
20	54.4	30-70	
10	25.3	10-35	
4.75	3.5	0-5	

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded [illegible]

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP.
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in full mum in 3rd phase in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	04/09/2014
Specific Gravity	2.62
Water Absorption in %	0.31

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	100	100	Satisfies the requirement
20	98.9	95-100	
10	43.5	25-55	
4.75	7.9	0-10	

Note:
1. The results relate only to the items tested.
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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867 / Mob. : 90352 31201, Email: civiltechlabs@gmail.com

To,

Assistant Executive Engineer,
Yelahanka Satalite Town Sub Division,
BBMP.

08th September 2014

Dear Sir,

Sub; Testing of Materials.

As requested, tests on physical properties were carried out for the Materials supplied by you, for the work of '**Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04.**'

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
#5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04
Name of the Agency	M/s Technical Manager (West)
Date of Test	08/09/2014

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	16.3	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	421	415	Satisfactory
6	U T S (N/Sq.mm)	526	485	Satisfactory

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE Li-4

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS (BANGALORE)

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mysuru Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 10mm

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Construction of SCC Drain 21st cross near Ganapathi temple and asphalting to roads in 3rd phase in ward no 61
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	08/09/2014

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	418	415	Satisfactory
6	U.T.S (N/Sq.mm)	523	485	Satisfactory

Note:

1. The results relate only to the items tested
2. Report shall not be reproduced except in full, without the written approval of the lab
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2657, Email: civiltechlabs@gmail.com

TEST REPORT

TESTS ON REINFORCEMENT STEEL BARS 8mm

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in G/h main at 3rd phase in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	08/09/2014

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.396	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.9	14.5	Satisfactory
5	Yield Stress(N/mm²)	416	415	Satisfactory
6	U T S (N/mm²)	520	485	Satisfactory

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

AE 11-4

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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CIVIL

Accredited by NABL

5, 1st Cross, Sunkenahalli

Ph: 080 - 4114 2857 / Mob

To,

Assistant Executive Engineer,
Yelahanka Satalite Town Sub Division,
BBMP.

15th December 2014

Dear Sir,

Sub: Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 64.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	[illegible]
Name of Work	[illegible]
Name of Agency	[illegible]
Grade of Concrete	M30
No. of cubes tested	3
Dimension of Specimen	150mm [illegible]
Cross Sectional Area	22500 mm²
Technical Reference	IS 516:1959 [illegible]

Sl. No	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (kg)	Failure Load (kN)	Compressive Strength (N/mm²)	Avg. Compressive Strength (N/mm²)
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22.00	[illegible]
2					[illegible]	[illegible]	[illegible]	[illegible]
3					[illegible]	[illegible]	22.13	

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the Lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

AE 23-4

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
Accredited by NABL as per ISO/ IEC 17025 : 2005
5, 1st Cross, Srinivasa Colony, Konanakunte, Bangalore - 560062
Ph: 080 - 4114 2667 / Mob : 9686231851, Email: civiltechlabs@gmail.com

T 3691

To,

Assistant Executive Engineer,
Yelahanka Satalite Town Sub Division,
BBMP.

24th November 2014

Dear Sir,

Sub: Testing of Wet Mix Macadam.

As requested, tests on physical properties were carried out for the Wet Mix Macadam supplied by you, for the work of **'Construction of RCC Drain 21st cross near Ganapathi temple and asphalting to roads in 6th main in 3rd phase in ward no 04.'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE Lab-9

CIVIL TECH LABS
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Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON AGGREGATES [AIV & Combined Flakiness & Elongation Index]

Wet Mix Macadam

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BSMP
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and replacing to roads in 6th main in 3rd phase in ward no 01
Agency of the Name	M/s. Technical Manager (West)
Date of Testing	21/11/2014
Reference	MORTH Table 400.10

Sample No	Aggregate Impact Value 'AIV' in %	Average AIV in %	Remarks
1	21.8	22.1	Satisfactory (As per MORTH for WMM Maximum allowed AIV in 30 %)
2	22.3		

Test	Result in %	Combined Flakiness & Elongation Index 'C-F&E' in %	Remarks
Flakiness Index	12.6	25.8	Satisfactory (As per MORTH for WMM, Maximum allowed C-F&E in 30 %)
Elongation Index	13.2		

Note:

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3. Any corrections invalidates this report.
4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS
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TEST REPORT
GRADATION TEST ON WET MIX MACADAM

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP.
Name of Work	Construction of RCC Drain 21st cross near Ganapathi temple and improvements to roads in 6th main in 3rd phase in ward no 01.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	24/11/2014
Technical Reference	MORTH Table 400-11

IS Sieve Designation (mm)	% by Weight Passing IS Sieve	Actual % By Weight Passing IS Sieve	Remarks
53	100	**100**	**Satisfy the Requirements**
45	95-100	**98.6**	
22.4	60-80	**73.5**	
11.2	40-60	**51.2**	
4.75	25-40	**32.3**	
2.36	15-30	**22.8**	
0.9	8-22	**17.9**	
0.075	0-8	**8.2**	

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

In Charge
Civil Tech Labs